Please type a plus sign (+) inside this box ->

UTILITY PATENT APPLICATION **TRANSMITTAL**

(Only for new nonprovisional application under 37 C F R § 1 53(b))

Attorney Docket No. First Inventor or Application Identifier Craig et al Method and Apparatus for the Detection of Hydrogenous Materials Express Mail Label No. EE797446645US

See MPEP ch	APPLICATION ELEMENT napter 600 concerning utility patent ap		Assistant Commissioner for Patents ADDRESS TO: Box Patent Application Washington, DC 20231				
1. X 2. X	*Fee Transmittal Form (e.g. PTO/ (Submit an original and a duplica Applicant claims small entity sta	te for fee processing)	 CD-ROM or CD-R in duplicate, large table or Program (Appendix) Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) 				
3. [X]	Specification	[Total Pages 32] a. Computer Readable Form (CRF)				
- I - (- S	referred arrangement set forth below Descriptive title of the Invention Cross Reference to Related Applicat tatement Regarding Fed sponsored reference to Microfiche Appendix	tions	b Specification Sequence Listing on: i CD-ROM of CD-R (2 copies); or ii. paper c Statements verifying identity of above copies				
	ackground of the Invention		ACCOMPANYING APPLICATION PARTS				
- B	rief Summary of the Invention		9. Assignment Papers (cover sheet & document(s))				
- Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 24]			10.				
5. Oath or	Declaration [Tota X Newly executed (original or co	l Pages 3]	13. Preliminary Amendment 14. [X] Return Receipt Postcard (MPEP 503)				
b. Copy from a prior application (37 C.F.R. § 1.63(d))			(Should be specifically itemized)				
i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in prior application, see 37 C F.R. §§ 1 63(d)(2) and 1 33(b).			15. Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. Request and Certification under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent				
6.	Application Data Sheet. See 3	7 CFR 1.76	17. Other:				
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment: Continuation Divisional X Continuation-in-part (CIP) of prior application No09/561.830 Prior application information: Examiner: Group/Art Unit: 3641 For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS							
		D. CORREST ONDE	TO ADDRESS				
Custor	Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) or X Correspondence address below						
Name	Stephen R. May						
Address	Intellectual Property S	perty Services, Battelle Memorial Institute, Pacific Northwest Division, P.O Box 999					
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Name (Print/	Type) Stephen I	R. May	Registration No. (Attorney/Agent) 29,255				

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Signature Send TO: Assistant Commissioner for Patents, Box Patent Application, Washington, and DC 20231. Date

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FEE TRANSMIT	TAL	Complete If Known				
For FY 2001		Application Number	not yet assigned			
Patent fees are subject to annual revision	1	Filing Date	herewith			
		First Named Inventor	R.A. Craig et al.			
		Examiner Name	not yet assigned			
		Group/Art Unit	not yet assigned			
TOTAL AMOUNT OF PAYMENT	(\$) 391.00	Attorney Docket No.	E-1825 CIP			

METHOD OF PAYMENT (check one)			FEE CALCULATION (continued)						
The Commissioner is hereby authorized to charge			3 ADDITIONAL FEES						
indicated fees and credit any overpayments to		Large	Large Entity Small Entity			Fee Description	Fee Paid		
Deposit Account 02-1275		ı	Code (\$) Code (\$)			ree Description	rec t aid		
Number				105	130	205	65	Surcharge- late filing fee or oath	
Deposit Account Name	Battelle	e Men	norial Institute - PND	127	50	227	25	Surcharge- late provisional filing fee or cover sheet	
X			itional Fee Required § 1 16 and 1 17	139	130	139	130	Non-English specification	
X		claims	small entity status	147 112		147 112	2,520 920*	For filing a request for reexamination Requesting publication of SIR prior to Examiner action	
2 Payment End	closed	Mon Ord		113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
	FEE CA	LCULA	TION	115	110	215	55	Extension for reply within first month	
				116	390	216	195	Extension for reply within second month	
1. BASIC FIL				117	890	217	445	Extension for reply within third month	<u> </u>
Large Entity Fee Fee	y Small Fee		Fee Description	118	1,390	218	695	Extension for reply within forth month	
Code (\$)	Code	(\$)	Fee Paid	128	1,890		945	Extension for reply within fifth month	
101 710	201		Utility filing fee 355	119	310	219		Notice of Appeal	
106 320	206	160	Designing filing fee	120	310	220	155	Filing a brief in support of an appeal	
107 490	207	245	Plant filing fee	121	270	221	135	Requesting for oral hearing	
108 710	208	355	Reissue filing fee	138	1,510	138	1,510	Petition to institute a public use proceeding	
114 150	214	7 5	Provisional filing fee	140	110	240	55	Petition to revive - unavoidable	
		St	JBTOTAL (1) (\$) 355	141	1,240	241	620	Petition to revive - unintentional	
2. EXTRA CI	LAIM FE	ES	Fee form	142	1,240	242	620	Utility issue fee (or reissue)	
		1	Extra Claims below Fee Paid	143	440	243	220	Design issue fee	
Total Claims	24 -	20 ** =	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	144	600	224	300	Plant issue fee	
Independent _				122	130	122	130	Petitions to the Commissioner	
Claims Multiple Deper	2 -	3** =		123	50	123	50	Petitions related to provisional applications	
**or number p	reviously t	oaid, if i	greater, For Reissues, see below	126	240	126	240	Submission of Information Disclosure Stmt	
Large Entit			,	581	40	581	40	Recording each patent assignment per	
Fee Fee	Fee	Fee	Fee Description					property (times number of properties)	
Code (\$)	Code	(\$)							
103 18	203	9	Claims in excess of 20	146	710	246	355	Filing a submission after final rejection	
102 80 104 270	202	40	Independent claims in excess of 3	1.40	710	0.40	266	(37 CFR § 1 129(a))	Participan
104 270	204	135	Multiple dependent claim, if not paid	149	710	249	355	For each additional invention to be	
109 80	209	40	**Reissue independent claims					examined (37 CFR § 1.129(b))	
70			over original patent	179	710	279	355	Request for Continued Examination (RCE)	
110 18	210	9	**Reissue claims in excess of 20	'''				Transition (RCE)	
			and over original patent	Other	fee (spe	ecify)			
SUBTOTAL (2) (S) 36.00			'Redu	ced by E	Basic F	iling Fee	Paid SUBTOTAL (3) (\$)	1	

SUBMITTED BY					Complete (if applicable)
Name (Prmt/Type)	C ₁ 1 D M	Registration No	20.044	Telephone	
	Stephen R. May	(Attorney/Agent)	29,255		(509) 375-2387
Signature	Sterlund	Man		Date	Jun 26, 2001
SEND TO Assistant Commissioner for Patents, Washington, DC 20231					

EXPRESS MAIL MAILING LABEL #EE797446645US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
Richard A. Craig and Anthony J. Peurrung)))
For: METHOD AND APPARATUS FOR THE DETECTION OF HYDROGENOUS MATERIALS) Our Ref. No: E-1825 CIP) Date: January 24, 2001



CERTIFICATE OF MAILING

BOX PATENT APPLICATION Commissioner of Patents and Trademarks Washington, DC 20231

Dear Sir:

The undersigned hereby certifies that the attached:

[x] Patent Application of 32 pages, and [x] Drawings of <u>24</u> Sheets [x] Fee Transmittal (2 ea.) [x] Assignment / Cvr. Sheet [x] Combined Declaration and Power of Attorney] Information Disclosure

] with attachments

- are being deposited with the United States Postal Service as:
 - [] First Class Mail
- [x] Express Mail Label #EE797446645US in an envelope addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231, on the date set forth below.

Ilmie K. Loyleourn

Signature

//26/200/

Date Deposited

Janice K. Laybourn K1-53 Intellectual Property Services Battelle Memorial Institute Pacific Northwest Laboratories P.O. Box 999 Richland, WA 99352 (509) 375-2655